



Attorney's Docket No.: 14017-008US1 / PSU 2002-2667

1635
JF

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Gary A. Clawson et al. Art Unit : 1635
Serial No. : 10/519,122 Examiner : Sean McGarry
Filed : August 8, 2005
Title : METHODS AND MATERIALS FOR TREATING HUMAN
PAPILLOMAVIRUS INFECTIONS

Mail Stop Amendment
Commissioner for Patents
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1. Information Disclosure Statement (1 page);
2. Form PTO-1449 (6 pages);
3. Copies of Cited References (56 references); and
4. A Return Postcard.

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Respectfully submitted,

Date: June 1, 2006

J. Patrick Finn III, Ph.D.
Reg. No. 44,109

Fish & Richardson P.C.
60 South Sixth Street, Suite 3300
Minneapolis, MN 55402
(612) 335-5070 telephone
(612) 288-9696 facsimile

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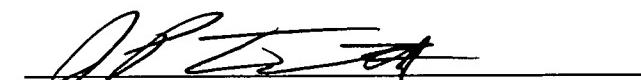
INFORMATION DISCLOSURE STATEMENT

Applicants request consideration of the references listed on the attached PTO-1449 form.
 Under 37 C.F.R. § 1.98 (a)(2)(ii), only copies of foreign patent documents and/or non-patent
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Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR 1.98(b))		Applicant Gary A. Clawson et al.	
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U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
/SM/	1	4,511,713	04/16/85	Miller et al.			
	2	4,560,678	12/24/85	Ranson			
	3	4,689,320	08/25/87	Kaji			
	4	4,740,463	04/26/88	Weinberg et al.			
	5	4,814,268	03/21/89	Kreider et al.			
	6	4,849,331	07/18/89	Lorincz			
	7	4,849,332	07/18/89	Lorincz			
	8	4,849,334	07/18/89	Lorincz			
	9	4,908,306	03/13/90	Lorincz			
	10	4,983,728	01/08/91	Herzog et al.			
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	12	5,057,411	10/15/91	Lancaster et al.			
	13	5,071,757	12/10/91	Kreider et al.			
	14	5,126,331	06/30/92	Gazzani			
	15	5,142,032	08/25/92	Grimmel et al.			
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	20	5,411,857	05/02/95	Beaudenon et al.			
	21	5,457,189	10/10/95	Crooke et al.			
	22	5,491,133	02/13/96	Walder et al.			
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	25	5,578,475	11/26/96	Jessee			
	26	5,580,547	12/03/96	Gilchrest et al.			
/SM/	27	5,589,466	12/31/96	Felgner et al.			

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U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
/SM/	28	5,591,574	01/07/97	Orth et al.			
	29	5,595,884	01/21/97	Androphy et al.			
	30	5,627,159	05/06/97	Shih et al.			
	31	5,643,715	07/01/97	Lancaster			
	32	5,656,423	08/12/97	Orth et al.			
	33	5,665,580	09/09/97	Crooke et al.			
	34	5,674,835	10/07/97	Androphy et al.			
	35	5,681,944	10/28/97	Crooke et al.			
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	52	6,020,202	02/01/00	Jessee			
	53	6,022,863	02/08/00	Peyman			
/SM/	54	6,025,163	02/15/00	Shamanin et al.			

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/SM/	55	6,028,188	02/22/00	Arnold, Jr. et al.			
	56	6,051,429	04/18/00	Hawley-Nelson et al.			
	57	6,060,456	05/09/00	Arnold, Jr. et al.			
	58	6,075,012	06/13/00	Gebeyehu et al.			
	59	6,084,090	07/04/00	DiPaolo et al.			
	60	6,087,341	07/11/00	Khavari et al.			
	61	6,107,086	08/22/00	Cole et al.			
	62	6,127,164	10/03/00	de Villiers et al.			
	63	6,136,332	10/24/00	Grollier et al.			
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	65	6,174,870	01/16/01	Crooke et al.			
	66	6,271,359	08/07/01	Norris et al.			
↓	67	6,326,174	12/04/01	Joyce et al.			
	68	6,506,559	01/14/03	Fire et al.			
/SM/	69	60/449,066	02/21/03	Clawson			

Foreign Patent Documents or Published Foreign Patent Applications							
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation Yes No
/SM/	70	EP 477 972	09/04/96	EPO			
	71	WO 93/20095	10/14/93	WIPO			
	72	WO 95/28942	11/02/95	WIPO			
	73	WO 96/20013	07/04/96	WIPO			
	74	WO 97/27206	07/31/97	WIPO			
	75	WO 98/04575	02/05/98	WIPO			
↓	76	WO 98/37240	08/27/98	WIPO			
	77	WO 99/14377	03/25/99	WIPO			
/SM/	78	WO 00/09673	02/24/00	WIPO			

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/SM/	79	WO 00/14244	03/16/00	WIPO			
/SM/	80	WO 00/34466	06/15/00	WIPO			
/SM/	81	WO 00/60115	10/12/00	WIPO			
/SM/	82	WO 02/46449	06/13/02	WIPO			

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/SM/	83	GenBank Accession No. K02718 dated 3/18/94, 6 pages
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	86	Alvarez-Salas et al., "Inhibition of HPV-16 E6/E7 immortalization of normal keratinocytes by hairpin ribozymes," <i>Proc. Natl. Acad. Sci. USA</i> , 1998, 95:1189-1194
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	94	Crone et al., "Growth Inhibition by a Triple Ribozyme Targeted to Repetitive B2 Transcripts," <i>Hepatology</i> , 1999, 29:1114-1123
	95	Feldman and Sen, "A New and Efficient DNA Enzyme for the Sequence-specific Cleavage of RNA," <i>J. Mol. Biol.</i> , 2001, 313:283-294
	96	Garber, "Prescription RNA," <i>Technology Review</i> , 2002, pp. 42-48
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Examiner Initial	Desig. ID	Document	
/SM/	99	Kreider et al., "Laboratory Production In Vivo of Infectious Human Papillomavirus Type 11," <u>J. Virol.</u> , 1987, 61(2):590-593	
	100	Kunke et al., "Preclinical study on gene therapy of cervical carcinoma using adeno-associated virus vectors," <u>Cancer Gene Ther.</u> , 2000, 7(5):766-777	
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	102	Lewis et al., "Non-specific antiviral activity of antisense molecules targeted to the E1 region of human papillomavirus," <u>Antiviral Res.</u> , 2000, 48:187-196	
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↓	118	Tan and Ting, "In Vitro and <i>In Vivo</i> Inhibition of Human Papillomavirus Type 16 E6 and E7 Genes," <u>Cancer Res.</u> , 1995, 55:4599-4605	
/SM/	119	Templeton et al., "Improved DNA: liposome complexes for increased systemic delivery and gene expression," <u>Nat. Biotechnol.</u> , 1997, 15:647-652	

Examiner Signature /Sean McGarry/	Date Considered 08/27/2007
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Examiner Initial	Desig. ID	Document
/SM/	120	Venturini et al., "Kinetic selection of HPV 16 E6/E7-directed antisense nucleic acids: anti-proliferative effects on HPV 16-transformed cells," <i>Nucl. Acids Res.</i> , 1999, 27(7):1585-1592
/SM/	121	Walboomers et al., "Human Papillomavirus is a Necessary Cause of Invasive Cervical Cancer Worldwide," <i>J. Pathol.</i> , 1999, 189:12-19
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/SM/	125	zur Hausen, "Molecular Pathogenesis of Cancer of the Cervix and Its Causation by Specific Human Papillomavirus Types," <i>Curr. Top. Microbiol. Immunol.</i> , 1994, 186:131-156

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